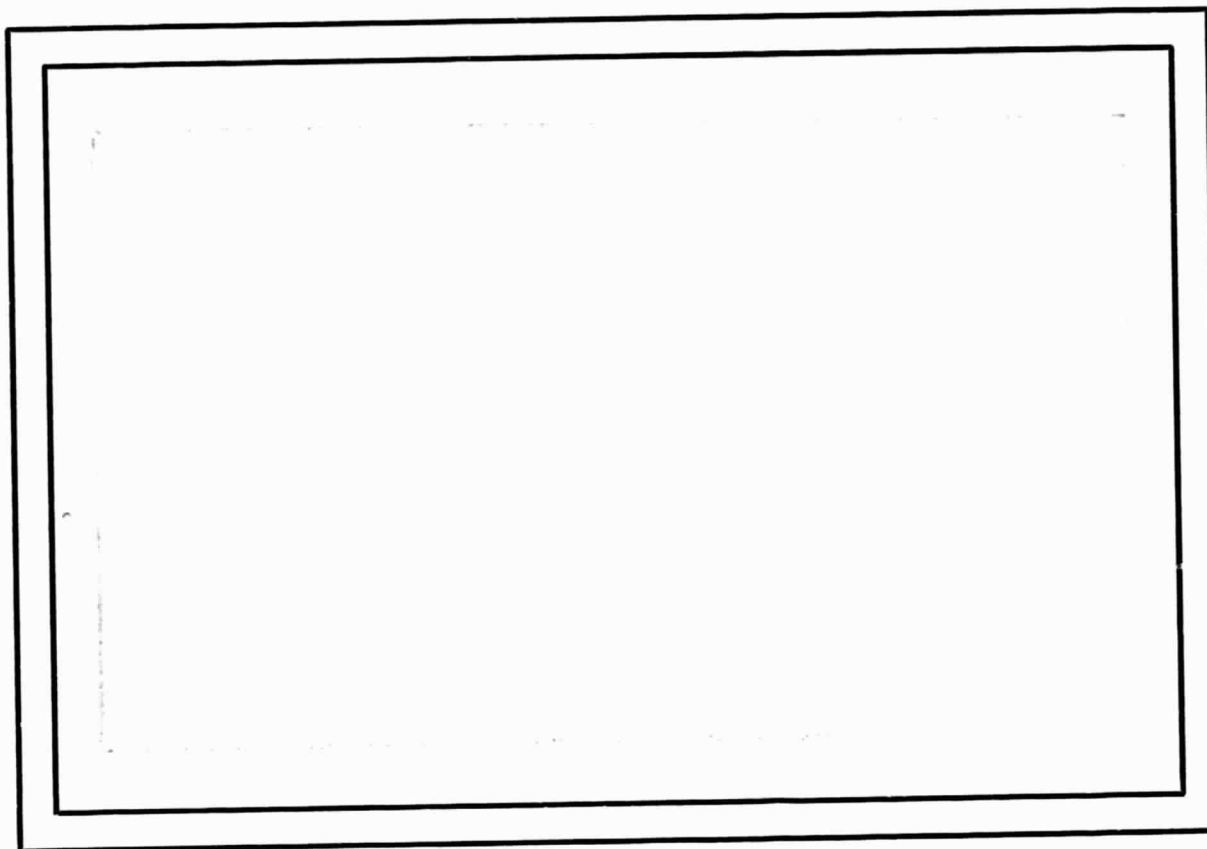


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Technical Report 69-100  
NGR21-002-197

December 1969

Key Word in Context  
Index and Bibliography  
on  
Computer Systems Evaluation Techniques

by  
Sarah Crooke  
Jack Minker

This bibliography was accumulated under NASA Grant  
NGR21-002-197 to the Computer Science Center of the  
University of Maryland.

## INTRODUCTION

This bibliography, in the form of a Key Word in Context Index (KWIC), supercedes a preliminary bibliography on the same subject which was included in the third quarterly report under this grant. Included as input to the KWIC Index are the documents found to be relevant as a result of the literature search conducted under NASA Grant NGR21-002-197. The output consists of two parts: a sort on keywords in the document titles and a bibliography sequenced according to a code word assigned to each title. The bibliography includes title, author(s), and citation.

The documents selected contain information pertinent to the areas of system evaluation, simulation languages, mathematical modeling, and simulation techniques applicable to time-sharing, multiprocessing, and multiprogramming data processing systems.

The documents included in this bibliography have been selected, after a review of numerous journals, primarily from the following sources:

1. KWIC Index of Computing Reviews
2. Communications of the ACM (1959-1969)
3. Journal of the ACM (1960-1969)
4. Proceedings of AFIPS Spring and Fall Computer Conferences (1960-1969)
5. Proceedings of the ACM National Conference (1960-1969)
6. IBM Systems Journal
7. Defense Documentation Center (10/68-11/69)

In addition, two requests were made for special document file searches. The first Search Control No. 013092 resulted in a search of the DDC files for documents relevant to 'System Performance Evaluation Techniques'. The other resulted in a NASA literature search, (Search No. 8602), for documents relevant to 'Performance Evaluation for Processing Systems'. The bibliographies produced in response to these requests have been reviewed. Documents found to be of particular relevance to computer system evaluation have been included in this bibliography.

For a general overview of the work performed and reported in the documents included in this bibliography, see Section 2 of the University of Maryland Technical Report 69-99, entitled "Analysis of Data Processing Systems" by J. Minker, S. Crooke, and J. Yeh.



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GFIN

RUNID: 7273 ACCOUNT: 001-01-165 PROJECT: CROOKE

LOAD 2711 3/3 SORT -1 7273

LOAD 2623 3/4 FILEY -1 7273

SERVICE 3/3

SERVICE 3/3

SERVICE 3/3

SERVICE 3/3

END OF SORT: TIME PER RECORD =177.6 MSEC.

INPUT RECORD COUNT IS : 1228

OUTPUT RECORD COUNT IS : 1228

BIAS IS 1.4

END OF SORT: TIME PER RECORD =230.2 MSEC.

INPUT RECORD COUNT IS : 348

OUTPUT RECORD COUNT IS : 348

BIAS IS IN SEQ

TIME: 00:00:11.968 IN: 1213 OUT: 0 PAGES: 44

INITIATION TIME: 09:35:36-DEC 1.1969

TERMINATION TIME: 09:48:30-DEC 1.1969